

**IMPROVED PALLADIUM-BASED ELECTROCATALYSTS
AND FUEL CELLS EMPLOYING SUCH
ELECTROCATALYSTS**

Abstract

A direct organic fuel cell includes a fluid fuel comprising formic acid, an anode having an electrocatalyst comprising palladium nanoparticles, a fluid oxidant, a cathode electrically connected to the anode, and an electrolyte interposed between the anode and the cathode.